

USE CASE

Modernizing Government Communications: A Secure POTS Replacement Solution



The Infrastructure Crisis

Government agencies depend on legacy copper POTS lines for critical infrastructure across eight essential categories. As carriers decommission copper networks and raise rates to \$100–150 per line monthly, agencies face mounting reliability risks, costs, and compliance failures that can be life-threatening.

Critical POTS Applications in Government



Life Safety / Emergency Systems (Highest Priority)

- ✓ Elevator Emergency Phones: Cab phones, machine room phones, two-way emergency communications (ASME A17.1/A17.3 compliant)
- ✓ Fire Alarm Panels: Alarm dialers, supervisory signal lines, monitoring circuits (NFPA 72 compliant)
- ✓ Blue Light Emergency Call Boxes: Campus, courthouse, transit, and government complex installations



Security / Monitoring / Intrusion

- ✓ Burglar alarms, intrusion panels, door and motion sensor systems
- ✓ Duress/panic buttons at clerk counters, probation offices, reception areas
- ✓ Gate and perimeter entry systems with analog intercom call boxes



Public Safety & Emergency Operations

- ✓ EOC/dispatch backup lines and redundant voice lines for incident command
- ✓ Dedicated crisis hotlines, after-hours reporting, storm response, and public health lines



Fax / Compliance Workflows

- ✓ Government fax lines for HR/benefits, procurement/contracting, legal notices, healthcare communications



Remote / Hard-to-Wire Facilities

- ✓ Parks and recreation, water/wastewater sites, lift stations, pump houses, maintenance buildings



Building Systems / Controls

- ✓ HVAC/BAS dial-out modems for building automation alarms
- ✓ SCADA/telemetry systems for municipal utilities and remote sensors

Why Government Keeps POTS Longer

Compliance-driven requirements, aging infrastructure, slow procurement cycles, vendor lock-in, and risk avoidance ("it's always worked") make government especially dependent on legacy analog systems.

The Solution: POTS IN A BOX® Technology

MIX Networks' 90X1 and 90X2 systems deliver reliable analog dial tone via cellular and IP networks while maintaining full compatibility with all existing equipment; from elevator phones to fire panels to fax machines.



Key Benefits

Regulatory Compliance: UL 864, TAA, and NFPA 72 certified for life-safety systems

Operational Continuity: Battery backup and SIM failover maintain service during power outages and network disruptions

Cost Savings: Reduce monthly costs by \$50–100 per line

Centralized Management: Remote monitoring and real-time diagnostics improve response times and accountability

Impact

Government agencies report **85–95%** reduction in communication disruptions, **99.9%** emergency system reliability, and substantial telecom cost savings all while maintaining operations during emergencies and severe weather that previously caused failures.



Conclusion

POTS replacement modernizes aging infrastructure without compromising safety, compliance, or service continuity. By eliminating dependence on failing copper networks, agencies strengthen resilience, meet stringent regulatory requirements across all eight critical application areas, and responsibly manage public funds while fulfilling their mission to serve without disruption.

